AA 2

ACOUSTIC ANALYZER / 1/3 OCTAVE ANALYZER

FRONT PANEL: **Black finish. METER AVERAGING TIME switch: FAST or SLOW. POWER: ON or OFF with LED indicator. Linear dB meter. FREQUENCY IN Hz dial: increments from 20 to 20K. METER RANGE switch: 60 dB/.001V, 70 dB, 80 dB/.01V, 90 dB, 100 dB/.1V. FUNCTION switch: FILTER OFF, 1/3 OCTAVE NOISE, 1/3 OCTAVE ANALYZER. PINK NOISE LEVEL control. INPUT. MICrophone INPUT. MIC CAL: 1 to 10. METER OUTPUT: 1V FSD. PINK NOISE OUTPUT: 1V MAX.**

SPECIFICATIONS:

METER CIRCUIT - ***Meter Range:*** **20Hz to 20kHz;** ***Response:*** **+0.5Db.** ***Waveform Response:*** **Average responding calibrated in RMS volts and dB SPL.** ***Averaging Time:*** **Selectable, fast and slow (5 sec and 30 sec).** ***Signal Range:*** **SPL - 60 dB to 100dB at mid-scale, 1 mV to 100 mV volts, AC full scale.** ***Meter Scales:*** **Volts calibrated from .01 to .1; SPL calibrated from –20dB to + 20dB.** ***Crest Factor:*** **greater than 4 at full scale.** ***Input Impedance:*** **50k ohms and less than 50pf.**

ONE THIRD OCTAVE FILTER - ***Frequency Range:*** **20Hz to 20kHz in 31 ranges with ISO recommended band frequencies (20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200 and multiples of 10 thereof).** ***Selectivity:*** **1/3 octave bandwidth (29% wide). Two filter sections are used each having a 2 pole Butterworth filter characteristic. At .58 and 1.8 times the center frequency, each section is down 15dB (30dB for both sections).**

PINK NOISE GENERATOR - ***Frequency Range:*** **20 to 20kHz with output in each 1/3 octave bandwidth within +/- 1dB.** ***Output Level:*** **0 to 1 volt RMS into 10k ohms or higher. Output is peak limited for all settings of the level control.** ***Output Source Impedance:*** **less than 1k ohms.** ***Crest Factor:*** **about 4.** ***Source:*** **digital logic pseudo random noise generator.** ***Power Requirements:*** **120 volts, 50-60Hz, 6 watts.**

CALIBRATED CM201 CONDENSER MICROPHONE - *Response:* 20 to 20,000Hz. *Sensitivity:* 65dB re 1 volt per microbar at 1kHz nominal. *Noise Equivalent:* 44dB SPL unweighted. *Cartridge Diameter:* 0.46" (13mm). *Cable:* two conductor shielded. *Length:* 10 meters (32.8 feet). *Stand Adapter:* with 5/8-27 thread.

AA 2 Generates 1/3 octave bands of pink noise and analyzes input in switchable 1/3 octave bands from 20Hz to 20kHz. Linear dB scale. Slow-fast averaging. Can also be used as wide band pink noise source and voltmeter.

AA 2 – Sold from June 1977 – October 1986. S/N:BU1001~BU2100 (1,099 UNITS)
Size:* 11-3/4"H, 8-3/4"W and 9-1/2"D. *Weight:* 14 lb. *$1,500.00